



Operating Instructions

HT33-SDE Basic Hand Tool

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Customer Manual PN:

1-744017-0

Language:

EN (translation of the German original version)

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1 Revision history

Rev.	Date	Description	Name
A	16.07.2015	First version	Levin Sandhu

Tab. 1 : Revision history

2 Introduction

2.1 About these operating instructions

These operating instructions describe the use and operation of the HT33-SDE basic hand tool and the necessary maintenance measures. All persons using the hand tool must therefore be familiar with these operating instructions and follow them. It should be stressed that the operating instructions for the HT33-SDE basic hand tool are essential.

These operating instructions must be available with the hand tool at all times. The tool owner and/or user is obliged to supplement these operating instructions with instructions in line with existing national regulations for the prevention of accidents and environmental protection.

These operating instructions apply to the following hand tool from TE Connectivity:

- HT33-SDE BASIC HAND TOOL TE PN 4-1579000-5

2.2 Intended use

The HT33-SDE Basic Hand Tool can process the widest range of crimp contacts using different crimping dies.

3 Description

3.1 Functional description

Basic hand tool for the use of intermountable SDE crimping die sets. The hand tool is designed exclusively for SDE crimping dies. A long handle design reduces the force to be applied.

The quick change system enables toolless replacement of the SDE crimping die sets. The dies are also secured during replacement via a releasable ratchet.

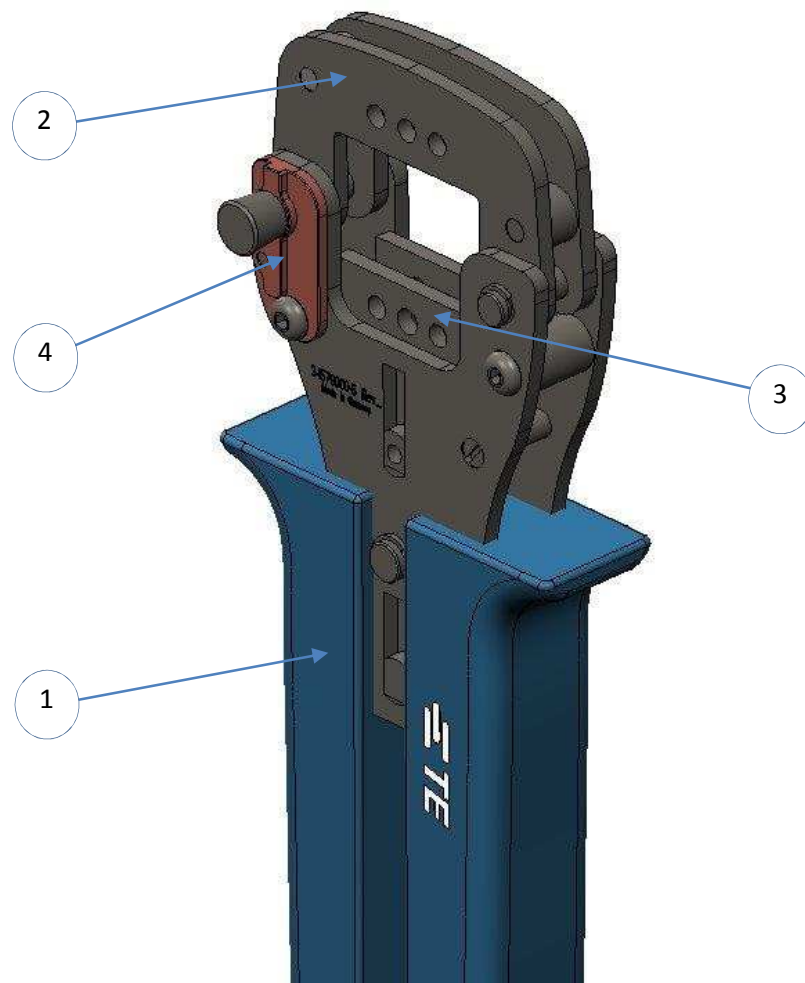


Abb. 1 : The Basic Hand Tool

Item	Description	Item	Description
1	Handle	2	Crimping head/Upper die holder
3	Lower, movable die holder	4	Releasable ratchet

Tab. 2 : Components of the basic hand tool

4 Changing the dies

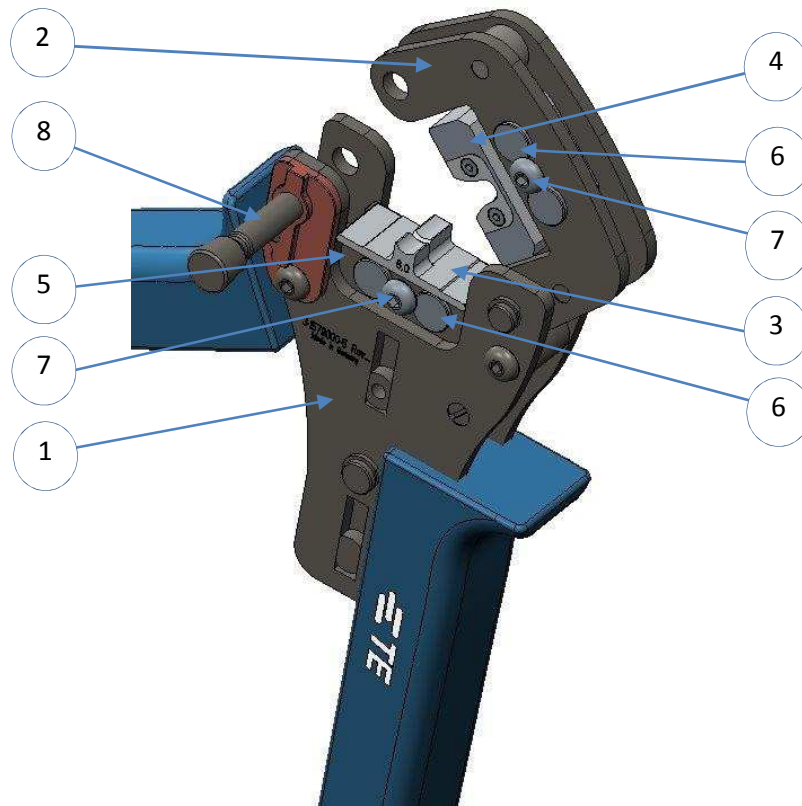


Abb. 2 : Hand tool in open position

No.	Description	No.	Description
1	Hand tool basic body	2	Crimping head/Upper die holder
3	Lower crimping die	4	Upper crimping die
5	Lower, movable die holder	6	Centring pin
7	Fillister head screw	8	Locking pin

Tab. 3 : Components of the hand tool

4.1 Installing dies

- ➔ Choose the desired set of crimping dies.
- ➔ Open the tool handles and check that the movable die holder is completely retracted.
- ➔ Pull the locking pin out until the stop.
- ➔ Open the crimping head as wide as possible.
- ➔ Position the lower crimping die in the lower die holder, so that the centring pin can be inserted.

NOTE

Ensure that the die label points in the direction of the locking pin.

- ➔ The centring pins are then inserted from the labelled side of the crimping die.

- ➔ The fillister head screw then follows. This is also inserted from the labelled side of the crimping die and lightly tightened.
- ➔ Position the upper crimping die in the crimping head, so that the centring pins can be inserted.

NOTE

Ensure that the die label points in the direction of the locking pin.

- ➔ The centring pins are then inserted from the labelled side of the crimping die.
- ➔ The fillister head screw then follows. This is also inserted from the labelled side of the crimping die and lightly tightened.
- ➔ Close the crimping head.
- ➔ Press the locking pin until the stop.
- ➔ Close the tool handles and tighten the two fillister head screws.

4.2 Removing dies

- ➔ Open the tool handles and check that the movable die holder is completely retracted.
- ➔ Pull the locking pin out until the stop.
- ➔ Open the crimping head as wide as possible.
- ➔ Unscrew the fillister head screw from the upper crimping die.
- ➔ Remove the upper centring pins.
- ➔ Remove the crimping die from the upper die holder.
- ➔ Unscrew the fillister head screw from the lower crimping die.
- ➔ Remove the lower centring pins.
- ➔ Remove the crimping die from the lower die holder.
- ➔ Insert the crimping head into the hand tool basic body again.
- ➔ Press the locking pin until the stop.

4.3 Operation

4.4 Crimping terminals

This process can be taken from the operating manual of the corresponding crimping die set.

5 Customer Service, EMEA Service Hotline

Please contact us for service enquiries or technical support:

Monday - Thursday	8am - 4pm
Friday	8am - 2pm
Phone	+49 (0) 6151 607 -1518
EMEA Customer Support	TEFE1@TE.COM
EMEA Hand Tool Repair	TEFE2@TE.COM

TE Connectivity Germany GmbH
c/o Schenck Technologie- und Industriepark GmbH
Landwehrstr. 55 / Gebäude 83
64293 Darmstadt
Germany

Additional information and contact details can also be found online.

Visit us at: <http://tooling.te.com/>

6 Maintenance and servicing

6.1 Daily maintenance

The following daily maintenance tasks should be performed by the responsible operator:

- Using a soft, clean brush or a lint-free cloth, remove dirt, dust, moisture and other residue from the hand tool. Do not use any hard or abrasive tools or materials that could damage the hand tool.
- Apply sewing-machine oil to all pivot points and bearing surfaces. Do not lubricate excessively.
- When the hand tool is not needed, store it in a clean and dry location.

6.2 Periodic inspection

- The hand tool should be inspected periodically by suitably qualified staff according to the level of use, and the inspections should be documented.
- Check the hand tool for wear and damage, particularly in the crimping nest areas.